

FMM501L Series mass flowmeter / controller

- Accuracy±0.5%~2%
- Linear analog output
- No need warm-up、Zero drift、High reliability
- Digital signals can be controlled and displayed by computer.
- Rapid and accurate measurement
- No mobile parts
- Fluid suitable for low boiling point
- Not affected by installation position
- The internal volume is very small.
- Connected with control valve: continuous and stable control function.

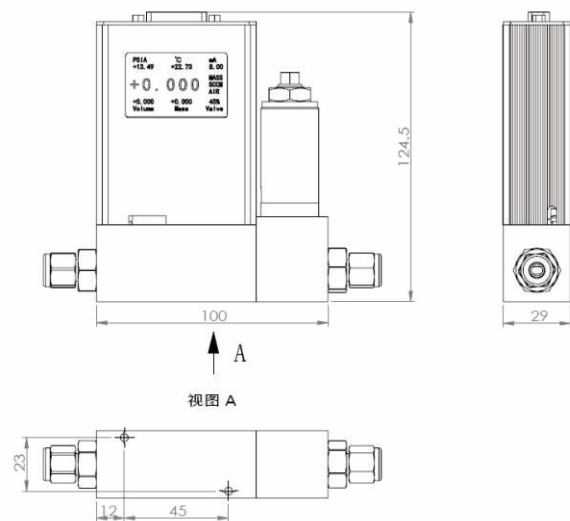
The FMM501L series is an innovative product specially designed for small range mass flow. The instrument is based on the principle of differential laminar flow measurement and contains a patented sensor. The mass flow meter can be connected to the control valve to form a closed loop control loop. Flow range 0,04... 2 kg/min (equivalent to water flow)



application

- pharmaceutical industry
- food industry
- biotechnology industry
- analytical laboratory
- Semiconductor industry: steam treatment process (Biology) laboratory
- Food & pharmaceutical industry, analytical laboratories and systems (HPLC)
- Flow chemistry using microreactors

Product size diagram



Specification sheet

Technical indicators	FMM501L-FC	FMM501L-FM
Range	40ml/min-20L/M	
Accuracy	±0.5~2% F.S	
linear	temperature ±1℃	
Repeatability	±0.5% F.S	
response time	0.2% F.S	
response time	< 2s	< 1s
Analog	0-5v/4-20mA	
communication	RS485 Modbus RTU	
power supply	±15V/24V	
working temp	0-50℃	
Working pressure	Dp: 0.05-1.0MPa	press drop < 30Kpa
Max pressure	3Mpa/10Mpa	
Electrical connection	DB15	
Leakage rate	1×10 ⁻⁸ SCCSHe	
temp C.F	±0.015% F.S/℃	
Base material	316 SST	
sealing	PTFE/CR/NBR	
Fitting	1/4" 3/8" 6mm 10mm	

LF series LFM&LFC has Modbus digital communication function

series	function	Sensor range	connect fitting	Liquid name	User range	signal	display
FMM501L	FM flow metr	01: 40-1000ml/min	1/4	H2O	5LM	A:0-5V	01:with
	FC:flow controller	02: 1.0-10L/min	3/8			B:4-20mA	02:without
		03: 10-20L/min	6mm				
			8mm				
			0: custom				

Example selection:FMM501LC10-1/4-H2O-5kg/min-B01